

PC-0022 CIP

<110> Tang, Y. Tom  
Walker, Michael G.

<120> GROWTH-RELATED INFLAMMATORY AND IMMUNE RESPONSE PROTEIN

<130> PC-0022 CIP

<140> To Be Assigned

<141> Herewith

<160> 14

<170> PERL Program

<210> 1

<211> 464

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 040371.3

<400> 1

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1 5 10 15  
Ile His Ile Arg Asn Lys Ile Leu Thr Gly Ala Asp Gly Lys Asn  
20 25 30  
Leu Thr Lys Asn Asp Leu Tyr Pro Asn Pro Lys Pro Glu Val Leu  
35 40 45  
His Met Ile Tyr Met Arg Ala Leu Gln Ile Val Tyr Gly Ile Arg  
50 55 60  
Leu Glu His Phe Tyr Met Met Pro Val Asn Ser Glu Val Met Tyr  
65 70 75  
Pro His Leu Met Glu Gly Phe Leu Pro Phe Ser Asn Leu Val Thr  
80 85 90  
His Leu Asp Ser Phe Leu Pro Ile Cys Arg Val Asn Asp Phe Glu  
95 100 105  
Thr Ala Asp Ile Leu Cys Pro Lys Ala Lys Arg Thr Ser Arg Phe  
110 115 120  
Leu Ser Gly Ile Ile Asn Phe Ile His Phe Arg Glu Ala Cys Arg  
125 130 135  
Glu Thr Tyr Met Glu Phe Leu Trp Gln Tyr Lys Ser Ser Ala Asp  
140 145 150  
Lys Met Gln Gln Leu Asn Ala Ala His Gln Glu Ala Leu Met Lys  
155 160 165  
Leu Glu Arg Leu Asp Ser Val Pro Val Glu Glu Gln Glu Glu Phe  
170 175 180  
Lys Gln Leu Ser Asp Gly Ile Gln Glu Leu Gln Gln Ser Leu Asn  
185 190 195  
Gln Asp Phe His Gln Lys Thr Ile Val Leu Gln Glu Gly Asn Ser  
200 205 210  
Gln Lys Lys Ser Asn Ile Ser Glu Lys Thr Lys Arg Leu Asn Glu  
215 220 225  
Leu Lys Leu Ser Val Val Ser Leu Lys Glu Ile Gln Glu Ser Leu  
230 235 240  
Lys Thr Lys Ile Val Asp Ser Pro Glu Lys Leu Lys Asn Tyr Lys

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	245		250		255
Glu Lys Met Lys	Asp Thr Val Gln Lys	Leu Lys Asn Ala Arg	Gln		
	260		265		270
Glu Val Val Glu	Lys Tyr Glu Ile Tyr	Gly Asp Ser Val Asp	Cys		
	275		280		285
Leu Pro Ser Cys	Gln Leu Glu Val Gln	Leu Tyr Gln Lys Lys	Ile		
	290		295		300
Gln Asp Leu Ser	Asp Asn Arg Glu Lys	Leu Ala Ser Ile Leu	Lys		
	305		310		315
Glu Ser Leu Asn	Leu Glu Asp Gln Ile	Glu Ser Asp Glu Ser	Glu		
	320		325		330
Leu Lys Lys Leu	Lys Thr Glu Glu Asn	Ser Phe Lys Arg Leu	Met		
	335		340		345
Ile Val Lys Lys	Glu Lys Leu Ala Thr	Ala Gln Phe Lys Ile	Asn		
	350		355		360
Lys Lys His Glu	Asp Val Lys Gln Tyr	Lys Arg Thr Val Ile	Glu		
	365		370		375
Asp Cys Asn Lys	Val Gln Glu Lys Arg	Gly Ala Val Tyr Glu	Arg		
	380		385		390
Val Thr Thr Ile	Asn Gln Glu Ile Gln	Lys Ile Lys Leu Gly	Ile		
	395		400		405
Gln Gln Leu Lys	Asp Ala Ala Glu Arg	Glu Lys Leu Lys Ser	Gln		
	410		415		420
Glu Ile Phe Leu	Asn Leu Lys Thr Ala	Leu Glu Lys Tyr His	Asp		
	425		430		435
Gly Ile Glu Lys	Ala Ala Glu Asp Ser	Tyr Ala Lys Ile Asp	Glu		
	440		445		450
Lys Thr Ala Glu	Leu Lys Arg Lys Met	Phe Lys Met Ser Thr			
	455		460		

<210> 2

<211> 1979

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 040371.3

<400> 2

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aggtgagcgc	gagaggacgg	aggaaggaag	cctgcagaca	gacgccttct	ccatcccaag	180
gcgcgggcag	gtgccgggac	gctggggcctg	gcggtgtttt	cgtcgtgctc	agcggtgga	240
ggaggcggaa	gaaaccagag	cctgggagat	taacaggaaa	cttccaagat	ggaaactttg	300
tctttcccca	gatataatgt	agctgagatt	gtgattcata	ttcgcaataa	gatcttaaca	360
ggagctgatg	gtaaaaacct	caccaagaat	gatctttatc	caaatccaaa	gcctgaagtc	420
ttgcacatga	tctacatgag	agccttacaa	atagtatatg	gaattcgact	ggaacatttt	480
tacatgatgc	cagtgaactc	tgaagtcatg	tatccacatt	taatggaagg	cttcttacca	540
ttcagcaatt	tagttactca	tctggactca	tttttgcccta	tctgccgggt	gaatgacttt	600
gagactgctg	atattctatg	tccaaaagca	aaacggacaa	gtcgggtttt	aagtggcatt	660
atcaacttta	ttcacttcag	agaagcatgc	cgtgaaacgt	atatggaatt	tctttggcaa	720
tataaatcct	ctgcggacaa	aatgcaacag	ttaaacgccg	cacaccagga	ggcattaatg	780
aaactggaga	gacttgattc	tgttccagtt	gaagagcaag	aagagttcaa	gcagctttca	840
gatggaattc	aggagctaca	acaatcacta	aatcaggatt	ttcatcaaaa	aacgatagtg	900
ctgcaagagg	gaaattccca	aaagaagtca	aatatttcag	agaaaaccaa	gcgtttgaat	960

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gaactaaaat tgtcgggtggt ttctttgaaa gaaatacaag agagtttgaa aacaaaaaatt 1020
gtggattctc cagagaagtt aaagaattat aaagaaaaaa tgaaagatac ggtccagaag 1080
cttaaaaatg ccagacaaga agtgggtggag aaatatgaaa tctatggaga ctacagttgac 1140
tgctgcctt catgtcagtt ggaagtgcag ttatatcaaa agaaaataca ggacctttca 1200
gataataggg aaaaattagc cagtatctta aaggagagcc tgaacttgga ggaccaaatt 1260
gagagtgatg agtcagaact gaagaaattg aagactgaag aaaattcgtt caaaagactg 1320
atgattgtga agaaggaaaa acttgccaca gcacaattca aaataaataa gaagcatgaa 1380
gatgttaagc aatacaaagc cacagtaatt gaggattgca ataaagttca agaaaaaaga 1440
ggtgctgtct atgaacgagt aaccacaatt aatcaagaaa tccaaaaaat taaacttgga 1500
attcaacaac taaaagatgc tgctgaaagg gagaaactga agtcccagga aatattttcta 1560
aacttgaaaa ctgctttgga gaaataccac gacggtattg aaaaggcagc agaggactcc 1620
tatgctaaga tagatgagaa gacagctgaa ctgaagagga agatgttcaa aatgtcaacc 1680
tgattaacaa aattacatgt ctttttgtaa atggcttgcc atcttttaat tttctattta 1740
gaaagaaaag ttgaagcgaa tggaaagtatc agaagtacca aataatgttg gcttcatcag 1800
tttttataca ctctcataag tagttaataa gatgaattta atgtaggctt ttattaattt 1860
ataattaaaa taacttgtgc agctattcat gtctctactc tgccccttgt tgtaaatagt 1920
ttgagtaaaa caaaactagt tacctttgaa atatatatat ttttttctgt tacaaaaaa 1979
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<210> 3  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 6257588H1

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aggtgagcgc gagatgacgg aggaaggaag cctgcagaca gacgccttct ccatcccaag 180
gcgcgggcag gtgccgggac gctgggcctg gcggtgtttt cgctcgtgctc 230
```

<210> 4  
<211> 535  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2914466F6

<220>  
<221> unsure  
<222> 117, 469  
<223> a, t, c, g, or other

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<400> 4
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gctccccgaa ctgcgcgtct tcctgtcggc ggccggcact gtaggtgagc gcgagangac 120
ggaggaagga agcctgcaga cagacgcctt ctccatccca aggcgcgggc aggtgccggg 180
acgctgggcc tggcgggtgtt ttcgtcgtgc tcagcgggtg gaggaggcgg aagaaaccag 240
agcctgggag attaacagta aacttccaag atggaaactt tgtctttccc cagatataat 300
gtagctgaga ttgtgattca tattcgcaat aagatcttaa caggagctga tggtaaaaaa 360
ctcaccaaga atgatcttta tccaaatcca aagcctgaag tcttgcacat gatctacatg 420
agagccttac aaatagtcta tggaaattcga ctggaacatt tttacatgnt gccagtgaac 480
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tctgaagtca tgtatccaca tttaatggaa ggctcttacc attcagcaat ttagt 535

<210> 5  
<211> 384  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7702863H2

<400> 5  
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gacgccttct ccatcccaag gcgcggggcag gtgccgggac gctgggcctg gcggtgtttt 120  
cgtcgtgctc agcgggtggga ggaggcggaa gaaaccagag cctgggagat taacaggaaa 180  
cttccaagat ggaaactttg tctttcccca gatataatgt agctgagatt gtgattcata 240  
ttcgcaataa gatcttaaca ggagctgatg gtaaaaacct caccaagaat gatctttatc 300  
caaatccaaa gcctgaagtc ttgcacatga tctacatgag agccttaca atagtctatg 360  
gaattcgact ggaacatttt taca 384

<210> 6  
<211> 542  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 6421045H1

<400> 6  
ccgggacgct gggcctggcg gtgttttctgt cgtgctcagc ggtgggagga ggcggaagaa 60  
accagagcct gggagattaa caggaaactt ccaagatgga aactttgtct ttccccagat 120  
ataatgtagc tgagattgtg attcatattc gcaataagat cttaacagga gctgatggta 180  
aaaacctcac caagaatgat ctttatccaa atccaaagcc tgaagtcttg cacatgatct 240  
acatgagagc cttacaaata gtatatggaa ttcgactgga acatttttac atgatgccag 300  
tgaactctga agtcatgtat ccacatttaa tggaaggctt cttaccattc agcaatttag 360  
ttactcatct ggactcattt ttgcctatct gccgggtgaa tgactttgag actgctgata 420  
ttctatgtcc aaaagcaaaa cggacaagtc ggtttttaag tggcattatc aactttattc 480  
acttcagaga agcatgccgt gaaacgtata tggaatttct ttggcgatat aaatcctctg 540  
cg 542

<210> 7  
<211> 522  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3727909T1

<220>  
<221> unsure  
<222> 119, 123-124, 390, 415, 488-489, 497  
<223> a, t, c, g, or other

<400> 7

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ggttttctct gaaatatttg acttcttttg ggaatttccc tcttgagca ctatcgtnt 120
ttntgaaaa tcctgattta gtgattgttg tagctcctga attccatctg aaagctgctt 180
gaactcttct tgctcttcaa ctggaacaga atcaagtctc tccagtttca ttaatgcctc 240
ctggtgtgcg gcgtttaact gttgcatttt gtccgcagag gatttatatt gccaaagaaa 300
ttccatatac gtttcacggc atgcttctct gaagtgaata aagttgataa tgccacttaa 360
aaaccgactt gtccgttttg cttttggacn tagaatatca gcagtctcaa agtcnttcac 420
ccggcagata ggcaaaaatg agtccagatg agtaactaaa ttgctgaatg gtaagaagct 480
cgagcctnnt ttcccnagc ttaacgtacc gcgtgcatgc ga 522

```

<210> 8  
 <211> 595  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 6562592H1

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<400> 8
cttcggcaat atttctgttc cagttgaaga gcaagaagag ttcaagcagc tttcagatgg 60
tattcaggag ctacaacaat cactaaatca ggattttcat caaaaaacga tagtgctgca 120
agagggaat tcccaaaaga agtcaaata ttcagagaaa accaagcgtt tgaatgaact 180
aaaattgtcg gtggtttctt tgaaagaaat acaagagagt ttgaaaacaa aaattgtgga 240
ttctccagag aagttaaaga attataaaga aaaaatgaaa gatcgggtcc agaagcttaa 300
aaatgccaga aagtgggtgga gaaatatgaa atctatggag actcagttga ctgcctgcct 360
tcatgtcagt tggaagtgca gttatatcaa aagaaaatac aggaccttcc agataatagg 420
gaaaaattag ccagtatctt aaaggagagc ctgaacttgg aggaccaaat tgagagtgat 480
gagtcagaac tgaagaaatt gaagactgaa gaaaattcgt tcaaaagact gatgattgtg 540
aagaaggcaa aacttgccac agcacaattc acaataaatt agaagcatga agatg 595

```

<210> 9  
 <211> 581  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 6729631H1

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<400> 9
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ttgtcgggtg tttctttgaa agaaatacaa gagagtggga aaacaaaaat tgtggattct 120
ccagagaagt taaagaatta taaagaaaaa atgaaagata cgggccagaa gcttaaaaaat 180
gccagacaag aagtgggtgga gaaatatgaa atctatggag actcagttga ctgcctgcct 240
tcatgtcagt tggaagtgca gttatatcaa aagaaaatac aggaccttcc agataatagg 300
gaaaaattag ccagtatctt aaaggagagc ctgaacttgg aggaccaaat tgagagtgat 360
gagtcagaac tgaagaaatt gaagactgaa gaaaattcgt tcaaaagact gatgattgtg 420
aagaaggaaa aacttgccac agcacaattc aaaataaata agaagcatga agatgtgtag 480
caatacaaac gcacagtaat tgaggattgc cataaagttc cagaaaaaag aggtgctgtc 540
tatgaacgag taaccacaat taatccagaa atccaaaaaa t 581

```

<210> 10  
 <211> 511  
 <212> DNA  
 <213> Homo sapiens

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<220>

<221> misc\_feature

<223> Incyte ID No: 7702863J1

<400> 10

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ctattttacaa caagggggcag agtagagaca tgaatagctg cacaagttat ttttaattata 120
aattaataaaa agcctacatt aaattcatct tattaactac ttatgagagt gtataaaaaac 180
tgatgaagcc aacattatct ggtacttctg atacttccat tcgcttcaac ttttctttct 240
aaatagaaaa ttaaaagatg gcaagccatt taaaaaaga catgtaattt tgtaaatcag 300
gttgacattt tgaacatctt cctcttcagt tcagctgtct tctcatctat cttagcatag 360
gagtcctctg ctgccttttc aataccgtcg tggattttct ccaaagcagt tttcaagttt 420
agaaatattt cctgggactt cagtttctcc ctttcagcag catcttttag ttgttgaatt 480
ccaagtttaa ttttttggat ttcttgatta a 511
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<210> 11

<211> 290

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> Incyte ID No: 700108016H1

<400> 11

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ggaggagact ccacaaatgg aaaccttgtc attccccaga tacaatgtag ctgagattgt 120
ggttcatatt cgcaataaac tactaacagg agccgatggc aaaaacctct ctaagaatga 180
tctttatcca aaccctaaagc ccgatgtctt atacatgatc tacatgagag cttacaaat 240
agtgtatggg gtccggctgg agcatttcta catgatgcca gtgaacgcag 290
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<210> 12

<211> 289

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<223> Incyte ID No: 700227686H1

<400> 12

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caacggccgg tggatttttag gagtttgctc ggtttgtaac tgctcttttg tgagctactg 60
ggactgcaga ctaggaggag actcccaaaa tggaaactct gtccttcccc agatacaaca 120
tagctgagat tgtagttcat attcgcaata aactgttaac tggagcggat ggcaaaaacc 180
tctccaagag cgatttttctt ccaaaccgga agcctgaagt cctgtacatg atttacctga 240
gagccttaca gttagtgtat ggggtccggc tggagcattt ctacatgat 289
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<210> 13

<211> 573

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<223> Incyte ID No: 702436073T1

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<400> 13

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gtgtagcctg caaggccctg agttgtatcc cctatcacca agaaaaaac acaggagca 120
catggtcata aaaggacaga gaaccaatgg taccacgct agttagctga gactgcggtc 180
cttctattag cttcaatata actactccaa acagaaagcg acagcgccgt tttcgggtgg 240
ctgttgatca gggcggcatt ttgaacatcc tcctcttcag ctcggcagtc ttccctccta 300
ttctagtaca gcactcctcc gtcgtcttct cgatgccctc atgggtacttc tccaaagcac 360
ttttcaagtc taccaagatt tcctgagact tcagttttctc ccgtttttcg gcgtctctta 420
gctgctgaat cccagattta atcttggtgga tgtcttgatt aatggcggtt acttgctcgc 480
agacagcatc tcttttttct tgaactttat tgcaatctct aaaaggggaac agagacacct 540
gacgtaacct ctcttaagca ttttaaaaac cat 573
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<210> 14

<211> 464

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: HW051

<220>

<221> unsure

<222> 10, 20, 30, 39, 70, 87, 102, 115, 126, 145, 157, 170, 195, 224, 253, 306, 319, 339, 360, 378, 395

<223> unknown or other

<400> 14

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Met Glu Thr Leu Ser Phe Pro Arg Tyr Asn Ile Ala Glu Ile Val
  1          5          10          15
Val His Ile Arg Asn Lys Leu Leu Thr Gly Ala Asp Gly Lys Asn
          20          25          30
Leu Ser Lys Ser Asp Phe Leu Pro Asn Pro Lys Pro Glu Val Leu
          35          40          45
Tyr Met Ile Tyr Met Arg Ala Leu Gln Leu Val Tyr Gly Val Arg
          50          55          60
Leu Glu His Phe Tyr Met Met Pro Val Asn Ile Glu Val Met Tyr
          65          70          75
Pro His Ile Met Glu Gly Phe Leu Pro Val Ser Asn Leu Phe Phe
          80          85          90
His Leu Asp Ser Phe Met Pro Ile Cys Arg Val Asn Asp Phe Glu
          95          100          105
Ile Ala Asp Ile Leu Tyr Pro Lys Ala Asn Arg Thr Ser Arg Phe
          110          115          120
Leu Ser Gly Ile Ile Asn Phe Ile His Phe Arg Glu Thr Cys Leu
          125          130          135
Glu Lys Tyr Glu Glu Phe Leu Leu Gln Asn Lys Ser Ser Val Asp
          140          145          150
Lys Ile Gln Gln Leu Ser Asn Ala His Gln Glu Ala Leu Met Lys
          155          160          165
Leu Glu Lys Leu Asn Ser Val Pro Val Glu Glu Gln Glu Glu Phe
          170          175          180
Lys Gln Leu Lys Asp Asp Ile Gln Glu Leu Gln His Leu Leu Asn
          185          190          195
Gln Asp Phe Arg Gln Lys Thr Thr Leu Leu Gln Glu Arg Tyr Thr
          200          205          210
```

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Lys	Met	Lys	Ser	Asp	Phe	Ser	Glu	Lys	Thr	Lys	His	Val	Asn	Glu
				215					220					225
Leu	Lys	Leu	Ser	Val	Val	Ser	Leu	Lys	Glu	Val	Gln	Asp	Ser	Leu
				230					235					240
Lys	Ser	Lys	Ile	Val	Asp	Ser	Pro	Glu	Lys	Leu	Lys	Asn	Tyr	Lys
				245					250					255
Glu	Lys	Met	Lys	Asp	Thr	Val	Gln	Lys	Leu	Arg	Ser	Ala	Arg	Glu
				260					265					270
Glu	Val	Met	Glu	Lys	Tyr	Asp	Ile	Tyr	Arg	Asp	Ser	Val	Asp	Cys
				275					280					285
Leu	Pro	Ser	Cys	Gln	Leu	Glu	Val	Gln	Leu	Tyr	Gln	Lys	Lys	Ser
				290					295					300
Gln	Asp	Leu	Ala	Asp	Asn	Arg	Glu	Lys	Leu	Ser	Ser	Ile	Leu	Lys
				305					310					315
Glu	Ser	Leu	Asn	Leu	Glu	Gly	Gln	Ile	Asp	Ser	Asp	Ser	Ser	Glu
				320					325					330
Leu	Lys	Lys	Leu	Lys	Thr	Glu	Glu	Asn	Ser	Leu	Ile	Arg	Leu	Met
				335					340					345
Thr	Leu	Lys	Lys	Glu	Arg	Leu	Ala	Thr	Met	Gln	Phe	Lys	Ile	Asn
				350					355					360
Lys	Lys	Gln	Glu	Asp	Val	Lys	Gln	Tyr	Lys	Arg	Thr	Met	Ile	Glu
				365					370					375
Asp	Cys	Asn	Lys	Val	Gln	Glu	Lys	Arg	Asp	Ala	Val	Cys	Glu	Gln
				380					385					390
Val	Thr	Ala	Ile	Asn	Gln	Asp	Ile	His	Lys	Ile	Lys	Ser	Gly	Ile
				395					400					405
Gln	Gln	Leu	Arg	Asp	Ala	Glu	Lys	Arg	Glu	Lys	Leu	Lys	Ser	Gln
				410					415					420
Glu	Ile	Leu	Val	Asp	Leu	Lys	Ser	Ala	Leu	Glu	Lys	Tyr	His	Glu
				425					430					435
Gly	Ile	Glu	Lys	Thr	Thr	Glu	Glu	Cys	Cys	Thr	Arg	Ile	Gly	Gly
				440					445					450
Lys	Thr	Ala	Glu	Leu	Lys	Arg	Arg	Met	Phe	Lys	Met	Pro	Pro	
				455					460					